

**METHOD AND APPARATUS FOR HIGH FIDELITY WIRELESS  
STEREOPHONIC TRANSMISSION UTILIZING  
DUAL FREQUENCY CARRIERS**

**ABSTRACT**

**[0043]** A method and system is disclosed for transmitting two related channels of signals through the air. A first channel of signals is modulated with a first carrier frequency, and a second channel of signals is modulated with a second carrier frequency. The modulated first channel of signals and the second channel of signals are then combined through a high isolation combiner. Thereafter, the combined signals are transmitted toward a receiver system. After receiving the transmitted signals, the first channel and the second channel of signals are regenerated in the receiver system by separating one from the other.